AUTHOR INDEX

PAGE

Acuña, J.L., Bedo, A.W., Harris, R.P. and Anadón, R. The seasonal succession of appendicularians (Tunicata: Appendicularia) off Plymouth 755
Adams, C.R.
See Hays et al. 405
See Hays et al. 667
Alexander, C.G.,
See Corfield and Alexander 675
See Semmens et al. 885
Allison, E.H. and Brand, A.R. A mark–recapture experiment on queen scallops, *Aequipecten opercularis*, on a north Irish Sea fishing ground 323
Anadón, R., *see* Acuña et al. 755
Anderson, M.J. Variations in biofilms colonizing artificial surfaces: seasonal effects and effects of grazers 705
Andersson, S., *see* Sundberg and Andersson 483
Ansell, A.D., *see* Neil and Ansell 55
Arkhipkin, A. Age, growth and maturation of the European squid *Loligo vulgaris* (Myopsida, Loliginidae) on the west Saharan shelf 593
Arntz, W.E., *see* Brey et al. 857
Bailey, W.L., *see* Wroblewski et al. 265
Barnes, D.K.A. and Clarke, A. Epibiotic communities on sublittoral macroinvertebrates at Signy Island, Antarctica 689
Bebianno, M.J. and Langston, W.J. Induction of metallothionein synthesis in the gill and kidney of *Littorina littorea* exposed to cadmium 173
Bedo, A.W., *see* Acuña et al. 755
Beja, P.R. Structure and seasonal fluctuations of rocky littoral fish assemblages in south-western Portugal: implications for otter prey availability 833
Bello, G. Hectocotylus regeneration in wild-caught sepiolid squids 491
Beukema, J.J. and Dekker, R. Dynamics and growth of a recent invader into European coastal waters: the American razor clam, *Ensis directus* 351
Boerema, M., *see* Hays et al. 667
Boix, J., *see* Matallanas et al. 257
Boucaud-Camou, E., *see* Koueta et al. 391
Boucher, L., *see* Caron et al. 871
Brey, T., Peck, L.S., Gutt, J., Hain, S. and Arntz, W.E. Population dynamics of *Magellania fragilis*, a brachiopod dominating a mixed-bottom macrobenthic assemblage on the Antarctic shelf 857
Brand, A.R., *see* Allison and Brand 323
Burnell, G.M.
See Collins et al. 605
See Collins et al. 621
Campbell, A.K., *see* Thomson et al. 165
Caron, A., Boucher, L. Desrosiers, G. and Retière, C. Population dynamics of the polychaete *Nephtys caeca* in an intertidal estuarine environment (Quebec, Canada) 871
Carrassón, M., *see* Matallanas et al. 257
Cartes, J.E. and Sorbe, J.C. Deep-water mysids of the Catalan Sea: species composition, bathymetric and near-bottom distribution 187
Carvalho, G.R. *See* Piertney and Carvalho 967
Casadevall, M., *see* Matallanas et al. 257
Champalbert, G. and Koutsikopoulos, C. Behaviour, transport and recruitment of Bay of Biscay sole (*Solea solea*): laboratory and field studies 93

PAGE
Clarke, A., *see* Barnes and Clarke 689
Clarke, W., *see* Magorrian et al. 987
Collins, M.A., Burnell, G.M. and Rodhouse, P.G. Age and growth of the squid *Loligo forbesi* (Cephalopoda: Loliginidae) in Irish waters 605
Collins, M.A., Burnell, G.M. and Rodhouse, P.G. Reproductive strategies of male and female *Loligo forbesi* (Cephalopoda: Loliginidae) 621
Corfield, J.L. and Alexander, C.G. The distribution of two species of alpheid shrimp, *Alpheus edwardsii* and *A. lobidens*, on a tropical beach 675
Cowling, M.J., *see* Marrs et al. 759
Curtis, L.A. Growth, trematode parasitism, and longevity of a long-lived marine gastropod (*Ilyanassa obsoleta*) 913
Dando, P.R., *see* Fullarton et al. 455
Davenport, J., *see* Thomason and Davenport 763
Davis, S., *see* Gooday et al. 469
Deady, S. and Fives, J.M. Diet of ballan wrasse, *Labrus bergylta*, and some comparisons with the diet of corkwing wrasse, *Crenilabrus melops* 651
Deady, S. and Fives, J.M. The diet of corkwing wrasse, *Crenilabrus melops*, in Galway Bay, Ireland, and in Dinard, France 635
Dekker, R., *see* Beukema and Dekker 351
Desaunay, Y., *see* Koutsikopoulos et al. 109
Desrosiers, G., *see* Caron et al. 871
Dickson, D.P.E., *see* Meldrum et al. 993
Diebel, C., *see* Land et al. 71
Dixon, D.R., Sole-Cava, A.M., Pascoe, P.L. and Holland, P.W.H. Periostracal adventitious hairs on spat of the mussel *Mytilus edulis* 363
See also Jha et al. 551
Dodge, J.D. A seasonal analysis of the armoured dinoflagellates of Loch Eriboll, north Scotland 219
Dorel, D., *see* Koutsikopoulos et al. 109
Ebina, Y., *see* Wiese and Ebina 43
Elliott, B.M., *see* Jha et al. 551
Fadlaoui, S., Lechapt, J.-P. and Retière, C. Larval development of the onuphid *Diopatra marocensis* (Annelida: Polychaeta) from the Atlantic coast of Morocco 957
See also Paxton et al. 949
Fernández, V., *see* Matallanas et al. 257
Fives, J.M.
See Deady and Fives 635
See Deady and Fives 651
Foreman, K., *see* Sardá et al. 725
Freire, J., *see* Hines et al. 27
Fullarton, J.G., Dando, P.R., Sargent, J.R., Southward, A.J. and Southward, E.C. Fatty acids of hydrothermal vent *Ridgeia piscesae* and inshore bivalves containing symbiotic bacteria 455
Fullarton, J.G., Wood, A.P. and Sargent, J.R. Fatty acid composition of lipids from sulphur-oxidizing and methylotrophic bacteria from thyasirid and lucinid bivalves 445
George, M.J.A. and Hatfield, E.M.C. First records of mated female *Loligo gahi* (Cephalopoda: Loliginidae) in the Falkland Islands 743
Gibson, R.N., Yin, M.C. and Robb, L. The behavioural basis of predator–prey size relationships between shrimp (*Crangon crangon*) and juvenile plaice (*Pleuronectes platessa*) 337
Giere, O., Windoffer, R. and Southward, E.C. The bacterial endosymbiosis of the gutless nematode, *Astomonema southwardorum*: ultrastructural aspects 153

PAGE
Goddard, S.V., *see* Wroblewski et al. 265
González-Gurriarán, E., *see* Hines et al. 27
González-Escalante, J.L., *see* Hines et al. 27
Gooday, A.J., Nott, J.A., Davis, S. and Mann, S. Apatite particles in the test wall of the large agglutinated foraminifer *Bathysiphon major* (Protista) 469
Green, J.C. *See* Jordan et al. 769
Guille, A., *see* Tyler et al. 977
Gutt, J., *see* Brey et al. 857
Hain, S., *see* Brey et al. 857
Hanlon, R.T., *see* Smale et al. 739
Harbour, D.S., *see* Hays et al. 503
Harris, R.P., *see* Acuña et al. 755
Hatfield, E.M.C., *see* George and Hatfield 743
Hawkins, A.R., *see* Tyler-Walters and Hawkins 563
Hawkins, S.J., *see* Santos et al. 751
Hays, G.C., Adams, C.R., Mortimer, J.A. and Speakman, J.R. Inter- and intra-beach thermal variation for green turtle nests on Ascension Island, South Atlantic 405
Hays, G.C., Mackay, A., Adams, C.R., Mortimer, J.A., Speakman, J.R. and Boerema, M. Nest site selection by sea turtles 667
Hays, G.C., Warner, A.J., John, A.W.G., Harbour, D.S. and Holligan, P.M. Coccolithophores and the Continuous Plankton Recorder Survey 503
Hayward, P.J., *see* Shreeve and Hayward 499
Heimdal, B.R. *See* Jordan et al. 769
Herring, P.J., *see* Thomson et al. 165
Heuch, P.A. Experimental evidence for aggregation of salmon louse copepodids (*Lepeophtheirus salmonis*) in step salinity gradients 927
Heywood, B.R., *see* Meldrum et al. 993
Hill, A.E. The kinematical principles governing horizontal transport induced by vertical migration in tidal flows 3
Hines, A.H., Wolcott, T.G., González-Gurriarán, E., González-Escalante, J.L. and Freire, J. Movement patterns and migration in crabs: telemetry of juvenile and adult behaviour in *Callinectes sapidus* and *Maja squinado* 27
Hodgkiess, T., *see* Marrs et al. 759
Høeg, J.T. The biology and life cycle of the Rhizocephala (Cirripedia) 517
Holland, P.W.H., *see* Dixon et al. 363
Holligan, P.M., *see* Hays et al. 503
Hussain, N.A. and Knight-Jones, E.W. Fish and fish-leeches on rocky shores around Britain 311
Hutchinson, T.H., *see* Jha et al. 551
Ikeda, Y. and Shimazaki, K. Does nidamental gland jelly induce the formation of perivitelline space at fertilization in the squid *Todarodes pacificus*? 495
Itani, G., *see* Kato and Itani 941
Jereb, P. and Ragonese, S. An outline of the biology of the squid *Illex coindetii* in the Sicilian Channel (central Mediterranean) 373
John, A.W.G., *see* Hays et al. 503
Jordan, R.W., Kleijne, A., Heimdal, B.R. and Green, J.C. A glossary of the extant Haptophyta of the world 769
Jha, A.N., Hutchinson, T.H., Mackay, J.M., Elliott, B.M., Pascoe, P.L. and Dixon, D.R. The chromosomes of *Platynereis dumerilii* (Polychaeta: Nereidae) 551
Kato, M. and Itani, G. Commensalism of a bivalve, *Peregrinamor ohshimai*, with a thalassinidean burrowing shrimp, *Upogebia major* 941

PAGE

Kikinger, R. and Salvini-Plawen, L.v. Development from polyp to stauromedusa in *Stylocoronella* (Cnidaria: Scyphozoa) 899
Kleijne, A., *see* Jordan et al. 769
Koueta, N., Boucaud-Camou, E. and Renou, A.M. Gonadotropic mitogenic activity of the optic gland of the cuttlefish, *Sepia officinalis*, during sexual maturation 391
Koutsikopoulos, C., Dorel, D. and Desaunay, Y. Movement of sole (*Solea solea*) in the Bay of Biscay: coastal environment and spawning migration 109
See also Champalbert and Koutsikopoulos 93
Knight-Jones, E.W., *see* Hussain and Knight-Jones 311
Land, M.F., Marshall, N.J. and Diebel, C. Tracking of blue lights by hyperiid amphipods 71
Langston, W.J., *see* Bebianno and Langston 173
Lechapt, J.-P.
See Fadlaoui et al. 957
See Paxton et al. 949
Mackay, A., *see* Hays et al. 667
Mackay, J.M., *see* Jha et al. 551
Mackie, G.O. On the 'visceral nervous system' of *Ciona* 141
Magorrian, B.H., Service, M. and Clarke, W. An acoustic bottom classification survey of Strangford Lough, Northern Ireland 987
Mann, S.
See Gooday et al. 469
See Meldrum et al. 993
Marrs, S.J., Thomason, J.C., Cowling, M.J. and Hodgkiess, T. A replica method for the study of marine biofilms 759
Marshall, N.J., *see* Land et al. 71
Matallanas, J., Casadevall, M., Carrassón, M., Boix, J. and Fernández, V. The food of *Seriola dumerili* (Pisces: Carangidae) in the Catalan Sea (western Mediterranean) 257
Meldrum, F.C., Heywood, B.R., Dickson, D.P.E. and Mann, S. Iron biomineralization in the poriferan *Ircinia oros* 993
Messenger, J.B. Current issues in cephalopod behaviour 507
Moisan, T., *see* Stoecker et al. 815
Moltschaniwskyj, N.A., *see* Semmens et al. 885
Moore, P.G. *Podocerus chelonophilus* (Amphipoda: Podoceridae) associated with epidermal lesions of the loggerhead turtle, *Caretta caretta* (Chelonia) 253
Morritt, D., *see* Spicer and Morritt 997
Mortimer, J.A.
See Hays et al. 405
See Hays et al. 667
Muntz, W.R.A. and Wentworth, S.L. Structure of the adhesive surface of the digital tentacles of *Nautilus pompilius* 747
Murton, B.J., *see* Tyler et al. 977
Nash, R.D.M., *see* Santos et al. 751
Neil, D.M. and Ansell, A.D. The orientation of tail-flip escape swimming in decapod and mysid crustaceans 55
Nott, J.A., *see* Gooday et al. 469
Park, J.S. The development of integumental pore signatures in the genus *Pleuromamma* (Copepoda: Calanoida) 211
Parker, S.J. Homing ability and home range of yellow-phase American eels in a tidally dominated estuary 127

PAGE

Pascoe, P.L.
See Dixon et al. 363
See Jha et al. 551
Paterson, G.J.L., *see* Tyler et al. 977
Paxton, H., Fadlaoui, S. and Lechapt, J.-P. *Diopatra marocensis*, a new brooding species of Onuphidae (Annelida: Polychaeta) 949
Peck, L.S., *see* Brey et al. 857
Piertney, S.B. and Carvalho, G.R. Detection of high levels of genetic relatedness in rock-populations of an intertidal isopod using DNA fingerprinting 967
Pingree, R.D. The droguing of Meddy Pinball and seeding with ALACE floats 235
Priede, I.G., Raid, T. and Watson, J.J. Deep-water spawning of Atlantic mackerel *Scomber scombrus*, west of Ireland 849
Putt, M., *see* Stoecker et al. 815
Ragonese, S., *see* Jereb and Ragonese 373
Raid, T., *see* Priede et al. 849
Raineri, M. Is a mollusc an evolved bent metatrochophore? A histochemical investigation of neurogenesis in *Mytilus* (Mollusca: Bivalvia) 571
Renou, A.M., *see* Koueta et al. 391
Retière, C.
See Caron et al. 871
See Fadlaoui et al. 957
Riemann, F. The deep-sea nematode *Thalassomonhystera bathislandica* sp. nov. and microhabitats of nematodes in flocculent surface sediments 715
Ringelberg, J. Changes in light intensity and diel vertical migration: a comparison of marine and freshwater environments 15
Robb, L., *see* Gibson et al. 337
Rodhouse, P.G.
See Collins et al. 605
See Collins et al. 621
Salvini-Plawen, L.v., *see* Kikinger and Salvini-Plawen 899
Santos, R.S., Nash, R.D.M. and Hawkins, S.J. Age, growth and sex ratio of the Azorean rock-pool blenny, *Parablennius sanguinolentus parvicornis* 751
Sardá, R., Valiela, I. and Foreman, K. Life cycle, demography, and production of *Marenzelleria viridis* in a salt marsh of southern New England 725
Sargent, J.R.
See Fullarton et al. 445
See Fullarton et al. 455
Sauer, W.H.H., *see* Smale et al. 739
Segonzac, M., *see* Tyler et al. 977
Semmens, J.M., Moltschaniwskyj, N.A. and Alexander, C.G. Effect of feeding on the structure of the digestive gland of the tropical sepioid *Idiosepius pygmaeus* 885
Service, M., *see* Magorrian et al. 987
Shreeve, R.S. and Hayward, P.J. A cyphonautes larva (Bryozoa: Gymnolaemata) from the Bellingshausen Sea, Antarctica 499
Shimazaki, K., *see* Ikeda and Shimazaki 495
Sibuet, M., *see* Tyler et al. 977
Smale, M.J., Sauer, W.H.H. and Hanlon, R.T. Attempted ambush predation on spawning squids *Loligo vulgaris reynaudii* by benthic pyjama sharks, *Poroderma africanum*, off South Africa 739
Smedbol, R.K., *see* Wroblewski et al. 265
Sole-Cava, A.M., *see* Dixon et al. 363

PAGE
Sorbe, J.C., *see* Cartes and Sorbe 187
Southward, A.J. Occurrence in the English Channel of a warm-water cirripede, *Solidobalanus fallax* 199
See also Fullarton et al. 455
Southward, E.C.
See Fullarton et al. 455
See Giere et al. 153
Speakman, J.R.
See Hays et al. 405
See Hays et al. 667
Spicer, J.I. and Morritt, D. Oxygen carriage by the haemolymph of hyperiid amphipods 997
Stoecker, D.K., Putt, M. and Moisan, T. Nano- and microplankton dynamics during the spring *Phaeocystis* sp. bloom in McMurdo Sound, Antarctica 815
Strathmann, R.R. and Strathmann, M.F. Oxygen supply and limits on aggregation of embryos 413
Strathmann, M.F., *see* Strathmann and Strathmann 413
Sundberg, P. and Andersson, S. Random amplified polymorphic DNA (RAPD) and intraspecific variation in *Oerstedia dorsalis* (Hoplonemertea, Nemertea) 483
Sweet III, M.H., *see* Whorff et al. 429
Thomason, J.C. and Davenport, J. The measurement of surface energy by video analysis of captive-bubble contact-angles 763
See also Marrs et al. 759
Thomson, C.M., Herring, P.J. and Campbell, A.K. Evidence for *de novo* biosynthesis of coelenterazine in the bioluminescent midwater shrimp, *Systellaspis debilis* 165
Tyler, P.A., Paterson, G.J.L., Sibuet, M., Guille, A., Murton, B.J. and Segonzac, M. A new genus of ophiuroid (Echinodermata: Ophiuroidea) from hydrothermal mounds along the mid-Atlantic ridge 977
Tyler-Walters, H. and Hawkins, A.R. The application of RAPD markers to the study of the bivalve mollusc *Lasaea rubra* 563
Valiela, I., *see* Sardá et al. 725
Warner, A.J., *see* Hays et al. 503
Watson, J.J. *See* Priede et al. 849
Wentworth, S.L., *see* Muntz and Wentworth 747
Whorff, J.S., Whorff, L.L. and Sweet III, M.H. Spatial variation in an algal turf community with respect to substratum slope and wave height 429
Whorff, L.L., *see* Whorff et al. 429
Wiese, K. and Ebina, Y. The propulsion jet of *Euphausia superba* (Antarctic krill) as a potential communication signal among conspecifics 43
Williamson, R.
A sensory basis for orientation in cephalopods 83
Orientation and migration in the sea 1
Windoffer, R., *see* Giere et al. 153
Wolcott, T.G., *see* Hines et al. 27
Wood, A.P., *see* Fullarton et al. 445
Wroblewski, J.S., Goddard, S.V., Smedbol, R.K. and Bailey, W.L. Movements of Atlantic cod (*Gadus morhua*) within the spring thermocline in Trinity Bay, Newfoundland 265
Yano, K. Reproductive biology of the black dogfish, *Centroscyllium fabricii*, collected from waters off western Greenland 285
Yin, M.C., *see* Gibson et al. 337